

HA7003

General Description

The HA7003 is an ultra wideband, medium power amplifier for UWB applications up to 26.5GHz. The high gain, good flatness and high output power makes this device an ideal choice as a broadband driver amplifier. The device operates from –30°C to +60°C.

Electrical Performance

Data @25 °C

Parameter	Min	Typ	Max	Units
Frequency Range	4.0		26.5	GHz
Gain	20	23		dB
Gain Flatness		± 2.0		dB
Outputpower @P_{1dB}		16.0		dBm
Noise Figure		4.5		dB
Input Reflection		-12.0	-10.0	dB
Output Reflection		-12.0	-10.0	dB
Operating Temperature Range	-30		+60	°C
DC Supply		+7V/200mA -5V/10mA		Pos.Voltage max.=9V
Package	M202			
Size	18 x 18 x 8			mm

Heat sink <60°C required

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